

4.3.12 Richland County

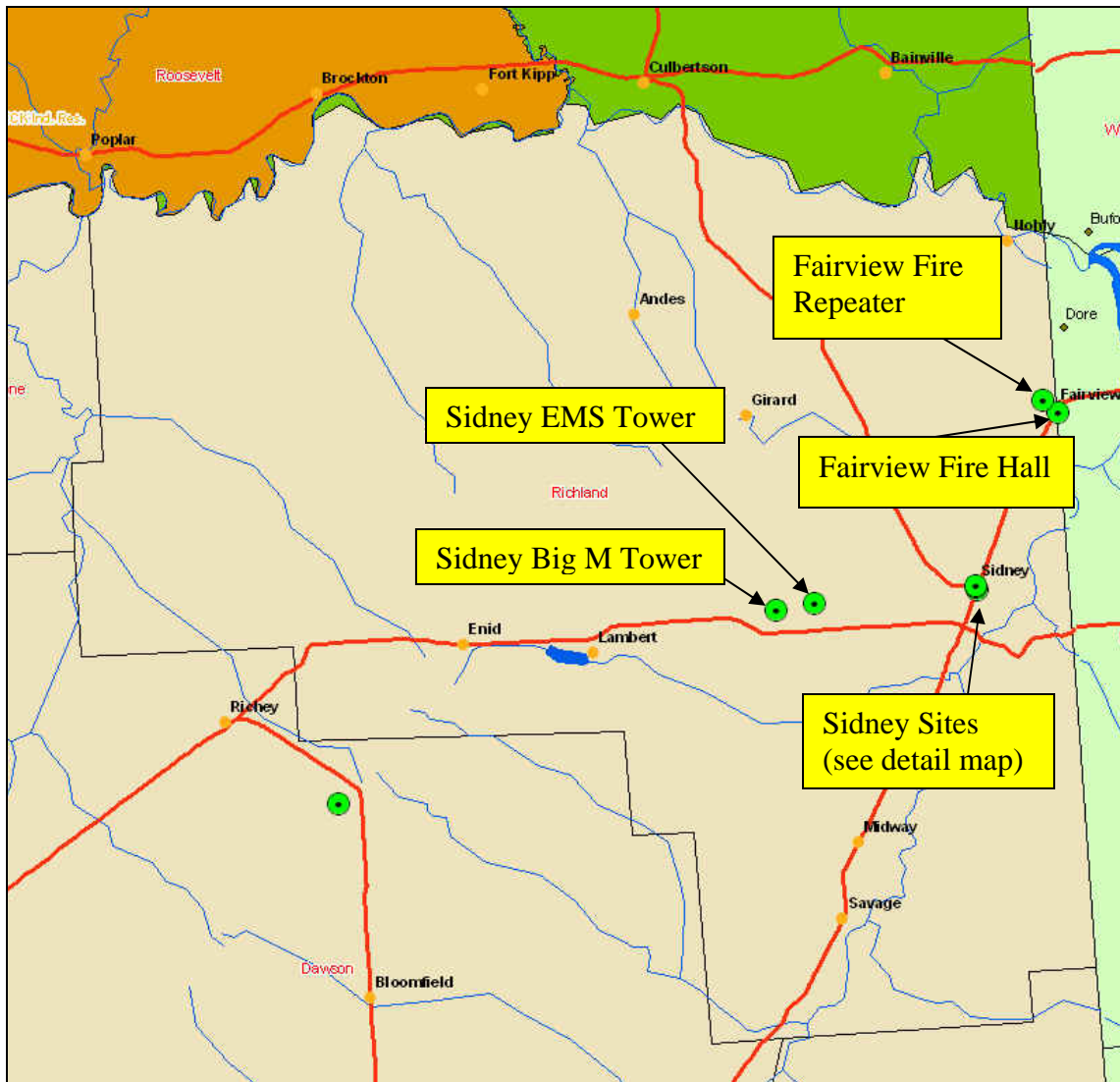


Figure 56 – Richland County Antenna Sites

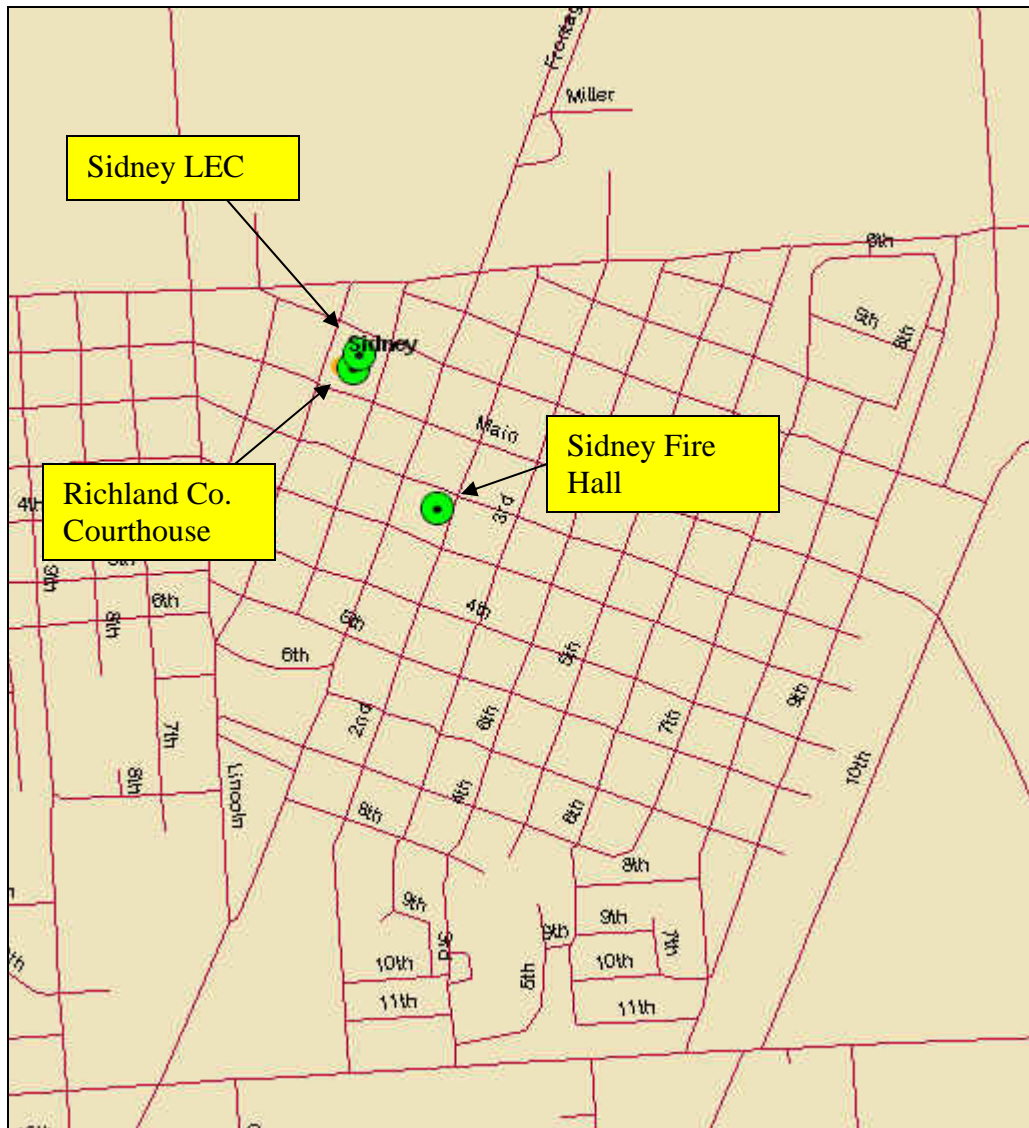


Figure 57 – Detail Of Sidney Antenna Sites

Site Name: Fairview Fire Hall



Area: Fairview, MT

Location: Downtown Fairview, MT

Land Owner: City of Fairview

Ground Elevation: 1912'

Latitude: N47 51' 10"

Longitude: W104 02' 45"

Status: In Use

Rent:

Tower Height: 60'

Building Type: Steel

Building Size:



Approximate Space Used (%):

Primary Power: 120/240 single phase

Backup Power: None

Telephone Available? Yes

Tower Users: Fairview Fire

Is Combiner Used And Describe: No

General Comments:

Survey Completed By: TAB Electronics

Completed Date: Jul-05

Tower Manufacturer:

Tower Model:

Tower Owner:

Age (Years):

Tower Type: Free Standing

Fall Protection: None

Climbing Device: Tower Rungs - Steel Bars

Of Guy Wires: 0

Of Legs: 3

Leg Spacing: 30"

Grounding System:

Other Towers Nearby? No

Access In Summer: 2-wheel Drive

Access In Winter: 2-wheel Drive

Criticality: Critical

Meets FCC OET 65?

Meets Antenna Loading?

Microwave In Use? No

Describe:

Microwave Capable? No

Describe:

Radio 1: Base

Antenna Type: Maxrod MBX 150

Antenna Height: 60-72'

Frequencies In Use: 154.400, 153.770

User Agency: Fairview Fire

Filter, Duplexer, Etc.: None

P25? No

Other:

Site Name: Fairview Fire Repeater



Area: Fairview, MT

Location: 1m NW of Fairview, MT

Land Owner: Johnson Development Inc.

Ground Elevation: 2150'

Latitude: N47 51' 51.6"

Longitude: W104 03' 46.6"

Status: In Use

Rent:

Tower Height: 25'

Building Type: Wood frame

Building Size: 7x8

Approximate Space Used (%):50

Primary Power: 120/240 single phase

Backup Power: User-supplied batteries

Telephone Available? No

Tower Users: Fairview Fire

Is Combiner Used And Describe: No

General Comments: A lot of mouse activity.

Survey Completed By: TAB Electronics

Completed Date: Jul-05

Tower Manufacturer: Rohn



Tower Model: Bx
Tower Owner: New Construction
Age (Years):
Tower Type: Free Standing
Fall Protection: None
Climbing Device: Tower Rungs - Steel Tube or Angle
Of Guy Wires: 0
Of Legs: 3
Leg Spacing: 14"
Grounding System: Rod at base of tower
Other Towers Nearby?
Access In Summer: 2-wheel Drive
Access In Winter: 2-wheel Drive
Criticality: Extremely Critical
Meets FCC OET 65?
Meets Antenna Loading?
Microwave In Use? No
Describe:
Microwave Capable? No
Describe:

Radio 1: Repeater
Antenna Type: 4-element open dipole
Antenna Height: 20-40'
Frequencies In Use: TX - 154.400, RX - 153.770
User Agency: Fairview Fire
Filter, Duplexer, Etc.: 4-cavity duplexer, TXRX
P25? No
Other:

Site Name: Richland Co. Courthouse



Area: Sidney, MT

Location: West Main St., downtown Sidney, MT

Land Owner: Richland County

Ground Elevation: 1941'

Latitude: N47 42' 58.5"

Longitude: W104 09' 32.6"

Status: In Use

Rent:

Tower Height: 40'

Building Type: Brick

Building Size:

Approximate Space Used (%):

Primary Power: 120/240 single phase

Backup Power:

Telephone Available? Yes

Tower Users: Richland Co. Sheriff, Sidney PD, Richland Co. Fire

Is Combiner Used And Describe: No

General Comments:

Survey Completed By: TAB Electronics

Completed Date: Jul-05

Tower Manufacturer:



Tower Model:
Tower Owner:
Age (Years):
Tower Type:
Fall Protection: None
Climbing Device:
Of Guy Wires:
Of Legs:
Leg Spacing:
Grounding System:
Other Towers Nearby?
Access In Summer: 2-wheel Drive
Access In Winter: 2-wheel Drive
Criticality: Extremely Critical
Meets FCC OET 65?
Meets Antenna Loading?
Microwave In Use? No
Describe:
Microwave Capable? Unknown
Describe:

Radio 1: Base (in basement of LEC building)
Antenna Type: PD 220
Antenna Height: 40-62'
Frequencies In Use: 154.845
User Agency: Sidney PD
Filter, Duplexer, Etc.: None
P25? No
Other:

Radio 2: Base (in basement of LEC building)
Antenna Type: PD 220
Antenna Height: 40-62'
Frequencies In Use: 155.865, 158.820
User Agency: Richland Co. Fire
Filter, Duplexer, Etc.: None
P25? No
Other:

Radio 3: Base (in basement of LEC building)
Antenna Type: Fiberglass
Antenna Height: 40-62'
Frequencies In Use: Citizen's Band, 27 MHz
User Agency: Richland Co.



Filter, Duplexer, Etc.: None

P25? No

Other:

Site Name: Sidney Big M Tower



Area: Lambert, MT

Location: 11m W of Sidney, MT on Highway 200

Land Owner: Joe Steinbeisser & Sons

Ground Elevation: 2668'

Latitude: N47 42' 28"

Longitude: W104 24' 03.0"

Status: In Use

Rent:

Tower Height: 320'

Building Type: Semi trailer

Building Size: 6.5x32

Approximate Space Used (%):70

Primary Power: 120/240 single phase

Backup Power: User-supplied batteries



Telephone Available? Yes

Tower Users: Montana Highway Patrol, Sidney Fire, Richland Co. Sheriff, Mitchell's Oil Field Service, Inc.

Is Combiner Used And Describe: TX - Decibel DB 4382-B 2-way, Macom 7Z5224X8, RX - dbprod. Db8204-101 RX, Macom F2-450-66-44-P24

General Comments:

Survey Completed By:

Completed Date:

Tower Manufacturer:

Tower Model:

Tower Owner:

Age (Years):

Tower Type:

Fall Protection:

Climbing Device:

Of Guy Wires:

Of Legs:

Leg Spacing:

Grounding System:

Other Towers Nearby?

Access In Summer:

Access In Winter:

Criticality:

Meets FCC OET 65?

Meets Antenna Loading?

Microwave In Use?

Describe:

Microwave Capable?

Describe:

Radio 1: Repeater

Antenna Type: PD 220

Antenna Height: 240-260'

Frequencies In Use: TX - 154.420, RX - 155.550

User Agency: Montana Highway Patrol

Filter, Duplexer, Etc.: 4-cavity duplexer

P25? Unknown

Other:

Radio 2: Repeater

Antenna Type: Fiberglass stick

Antenna Height: TX - 300-310', RX - 320-330'

Frequencies In Use: TX - 451.775, RX - 456.775

User Agency: Mitchell's Oil Field Service, Inc.



Filter, Duplexer, Etc.: Macom combiner

P25? Unknown

Other:

Radio 3: Repeater

Antenna Type: Fiberglass stick

Antenna Height: 320-330'

Frequencies In Use: TX - 461.825, RX - 466.825

User Agency: Community Repeater

Filter, Duplexer, Etc.: Macom combiner

P25? Unknown

Other:

Radio 4: Repeater

Antenna Type: Fiberglass stick

Antenna Height: 320-330'

Frequencies In Use: TX - 463.375, RX - 468.375

User Agency: Community Repeater

Filter, Duplexer, Etc.: Macom combiner

P25? Unknown

Other:

Radio 5: Repeater

Antenna Type: PD 220

Antenna Height: 260-280'

Frequencies In Use: TX - 158.820, RX - 155.865

User Agency: Richland Co. Fire

Filter, Duplexer, Etc.: 4-cavity duplexer

P25? No

Other:

Radio 6: Repeater

Antenna Type: PD 220

Antenna Height: 260-280'

Frequencies In Use: TX - 159.210, RX - 155.910

User Agency: Richland Co. Sheriff

Filter, Duplexer, Etc.: 4-cavity duplexer

P25? Yes

Other:

Radio 7: Repeater

Antenna Type: PD 220

Antenna Height: 315-335'

Frequencies In Use: TX - 151.115, RX - 156.180



User Agency: Richland Co. Road Dept.
Filter, Duplexer, Etc.: 4-cavity duplexer
P25? No
Other:

Radio 8: Repeater
Antenna Type: Fiberglass stick
Antenna Height: 320-330'
Frequencies In Use: TX - 451.475, RX - 456.475
User Agency: Continental Resources, Inc.
Filter, Duplexer, Etc.: Macom combiner
P25? Unknown
Other:

Radio 9: Repeater
Antenna Type: Fiberglass stick
Antenna Height: 300-310'
Frequencies In Use: TX - 451.600, RX - 456.600
User Agency: Hamm & Phillips Service Co.
Filter, Duplexer, Etc.: 2 TX Hybrid combiner
P25? Unknown
Other:

Radio 10: Repeater
Antenna Type: Fiberglass stick
Antenna Height: 320-330'
Frequencies In Use: TX - 451.875, RX - 456.875
User Agency: Hiland Partners, LLC
Filter, Duplexer, Etc.: Macom combiner
P25? Unknown
Other:

Site Name: Sidney EMS Tower



Area: Sidney, MT

Location: 10m W of Sidney, MT

Land Owner: State of Montana

Ground Elevation: 2600'

Latitude: N47 42' 39"

Longitude: W104 21' 17.5"

Status: In Use

Rent:

Tower Height: 160'

Building Type: Block

Building Size: 8.5x10.5

Approximate Space Used (%):50

Primary Power: 120/240 single phase

Backup Power: User-supplied batteries



Telephone Available? No

Tower Users: Sidney Ambulance, Advanced Communications

Is Combiner Used And Describe: No

General Comments:

Survey Completed By:

Completed Date:

Tower Manufacturer:

Tower Model:

Tower Owner:

Age (Years):

Tower Type:

Fall Protection:

Climbing Device:

Of Guy Wires:

Of Legs:

Leg Spacing:

Grounding System:

Other Towers Nearby?

Access In Summer:

Access In Winter:

Criticality:

Meets FCC OET 65?

Meets Antenna Loading?

Microwave In Use?

Describe:

Microwave Capable?

Describe:

Radio 1: Base

Antenna Type: PD 220

Antenna Height: 62-84'

Frequencies In Use: 155.385

User Agency: Sidney Ambulance

Filter, Duplexer, Etc.: None

P25? No

Other:

Radio 2: Repeater

Antenna Type: PD 220

Antenna Height: 100-122'

Frequencies In Use: TX - 461.525, RX - 466.525

User Agency: Advanced Communications

Filter, Duplexer, Etc.: TXRX 4-cavity

P25? Unknown



Other:

Radio 3: Repeater

Antenna Type: PD 220

Antenna Height: 160-182'

Frequencies In Use: TX - 454.175, RX - 459.175

User Agency: Advanced Communications

Filter, Duplexer, Etc.: TXRX 4-cavity

P25? Unknown

Other:

Radio 4: 75 MHz Link

Antenna Type: Yagi

Antenna Height: 18'

Frequencies In Use: TX - 75.680, RX - 72.220

User Agency: Advanced Communications

Filter, Duplexer, Etc.: 4-cavity duplexer

P25? Unknown

Other:

Site Name: Sidney Fire Hall



Area: Sidney, MT

Location: 2nd. St. SE in downtown Sidney, MT

Land Owner: City of Sidney

Ground Elevation: 1941'

Latitude: N47 42' 49"

Longitude: W104 09' 25.6"

Status: In Use

Rent:

Tower Height: 35'

Building Type: Block

Building Size:

Approximate Space Used (%):

Primary Power: 120/240 single phase

Backup Power:

Telephone Available? Yes

Tower Users: Sidney Fire Dept.

Is Combiner Used And Describe: No

General Comments:

Survey Completed By: TAB Electronics

Completed Date: Jul-05

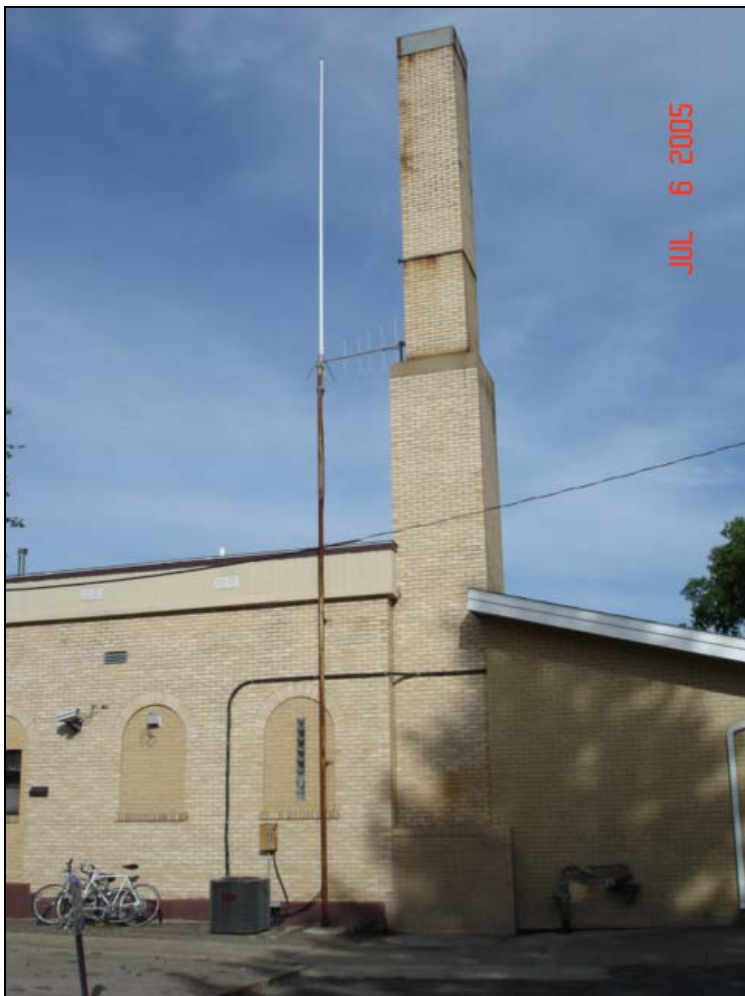
Tower Manufacturer:



Tower Model:
Tower Owner:
Age (Years):
Tower Type: Wood Pole
Fall Protection: None
Climbing Device: None
Of Guy Wires:
Of Legs:
Leg Spacing:
Grounding System: Single rod at base.
Other Towers Nearby?
Access In Summer: 2-wheel Drive
Access In Winter: 2-wheel Drive
Criticality: Extremely Critical
Meets FCC OET 65?
Meets Antenna Loading?
Microwave In Use? No
Describe:
Microwave Capable? No
Describe:

Radio 1: Base
Antenna Type: PD 220
Antenna Height: 35-57'
Frequencies In Use: 158.820, 155.865, 159.210, 155.910, 155.385, 154.070
User Agency: Sidney Fire Dept.
Filter, Duplexer, Etc.: None
P25? No
Other:

Site Name: Sidney LEC



Area: Sidney, MT

Location: 2nd. Ave. NW in downtown Sidney, MT

Land Owner: Richland County

Ground Elevation: 1941'

Latitude: N47 42' 59.4"

Longitude: W104 09' 32"

Status: In Use

Rent:

Tower Height: 25'

Building Type: Brick

Building Size:

Approximate Space Used (%):50

Primary Power: 120/240 single phase

Backup Power: Generator



Telephone Available? Yes

Tower Users: Richland Co. Sheriff, Fairview Fire Dept., Sidney PD

Is Combiner Used And Describe: No

General Comments:

Survey Completed By: TAB Electronics

Completed Date: Jul-05

Tower Manufacturer:

Tower Model:

Tower Owner:

Age (Years):

Tower Type: Pipe

Fall Protection: None

Climbing Device:

Of Guy Wires:

Of Legs:

Leg Spacing:

Grounding System: Rod at base of pipe.

Other Towers Nearby?

Access In Summer: 2-wheel Drive

Access In Winter: 2-wheel Drive

Criticality: Extremely Critical

Meets FCC OET 65?

Meets Antenna Loading?

Microwave In Use? No

Describe:

Microwave Capable? No

Describe:

Radio 1: Base

Antenna Type: PD 220

Antenna Height: 25-47'

Frequencies In Use: 155.910, 159.210

User Agency: Richland Co. Sheriff

Filter, Duplexer, Etc.: None

P25? No

Other:

Radio 2: Base

Antenna Type: Yagi

Antenna Height: 25'

Frequencies In Use: 153.770, 154.400

User Agency: Fairview Fire Dept.

Filter, Duplexer, Etc.:

P25? No



Other:

Site Name: W.L. New Construction



Area: Fairview, MT

Location: 1m NW of Fairview, MT

Land Owner: Johnson Development Inc.

Ground Elevation: 2150'

Latitude: N47 51' 51.6"

Longitude: W104 03' 46.6"

Status: In Use

Rent:

Tower Height: 25'

Building Type: Wood frame

Building Size: 7x8

Approximate Space Used (%):50

Primary Power: 120/240 single phase

Backup Power: User-supplied batteries

Telephone Available? No

Tower Users: W.L. New construction

Is Combiner Used And Describe: No

General Comments: A lot of mouse activity.

Survey Completed By: TAB Electronics

Completed Date: Jul-05

Tower Manufacturer:

Tower Model:



Tower Owner:

Age (Years):

Tower Type: Wood Pole

Fall Protection: None

Climbing Device: None

Of Guy Wires:

Of Legs:

Leg Spacing:

Grounding System: None on pole

Other Towers Nearby?

Access In Summer: 2-wheel Drive

Access In Winter: 2-wheel Drive

Criticality: Extremely Critical

Meets FCC OET 65?

Meets Antenna Loading?

Microwave In Use? No

Describe:

Microwave Capable? No

Describe:

Radio 1: Base

Antenna Type: Ringo Ranger

Antenna Height: 25-40'

Frequencies In Use: 152.885

User Agency: W.L. New Construction

Filter, Duplexer, Etc.: None

P25? Unknown

Other: